

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"20040167777" and (exceed\$3 or correct\$3 or vowel or harmonic)	USPAT	OR	ON	2007/03/07 06:16
L2	1	"20040167777" and (exceed\$3 or correct\$3 or vowel or harmonic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 06:17
L3	41	(US-20030040908-\$ or US-20040167777-\$ or US-20040165736-\$ or US-20040138882-\$ or US-20040052384-\$ or US-20030151454-\$ or US-20020071573-\$ or US-20030147538-\$ or US-20020094100-\$ or US-20010028713-\$).did. or (US-7171008-\$ or US-6859420-\$ or US-7117145-\$ or US-6882734-\$ or US-6757394-\$ or US-6319193-\$ or US-6618485-\$ or US-6507623-\$ or US-6415253-\$ or US-6243322-\$ or US-6175602-\$ or US-6122384-\$ or US-6163608-\$ or US-6122610-\$ or US-5943429-\$ or US-6011853-\$ or US-5950139-\$ or US-5715310-\$ or US-5878389-\$ or US-5825898-\$ or US-5544250-\$ or US-5701344-\$ or US-5568559-\$ or US-5146539-\$ or US-5488665-\$ or US-4628529-\$).did. or (US-5285502-\$ or US-5133013-\$ or US-4811404-\$ or US-4625206-\$).did. or (US-20030040908-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:19
L4	2	I3 and ((nonstationary or wind or transient or non-stationary) with (prevent))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:19
L5	1	I3 and ((nonstationary or wind or transient or non-stationary) with (prevent) with (vowel or harmonic or voic\$2 or speech or music))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:20
L6	80	((nonstationary or wind or transient or non-stationary) with (prevent) with (vowel or harmonic or voic\$2 or speech or music))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:20

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L7	22	((nonstationary or wind or transient or non-stationary) with (prevent) with (vowel or harmonic or voic\$2 or speech or music)) and (audio or speech) and noise	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:28
L8	5	I3 and beamforming	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:28
L9	7	I3 and beam\$6	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:29
L10	38	I3 and (beam\$6 or lag or delay or interval or time)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:32
L11	14	I3 and (beam\$6 or lag or delay or interval or time) and (microphone same (distance or separation))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 06:34
L12	20	I3 and (beam\$6 or lag or delay or interval or time) and (microphone same (distance or separation or array or position))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 07:13
L13	7	I3 and ((audio adj system) or stereo) same (noise or stationary or nonstationary or non-stationary)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 07:41
L14	1	I3 and ((SNR adj domain))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 07:48
L15	11	I3 and (noise same (nonstationary or non-stationary or transient or voice of VAD) same (model or average))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 07:52
L16	1	I3 and ((transient with increases with power))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 07:52
L17	1	I3 and ((transient with increas\$3 with (power or level))) same (disable)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 07:54
L18	2	I3 and ((transient with increas\$3 with (power or level))) same (disable or update or average)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 07:56
L19	1	I3 and ((transient with increas\$3 with (power or level))) same (disable or update or average) and VMSUM	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 08:24
L20	1	I3 and ((prevent with attributes))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 08:24
L21	1	I3 and ((prevent same attributes))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 08:24

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L22	1	l3 and ((prevent same attributes) same averag\$3)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 09:03
L23	2	"20040167777"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/07 09:03
S1	22	("20010028713" "20020071573" "200 20094100" "20040138882" "5146539" "5568559" "5701344" "6163608" "63 19193" "6859420").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:37
S2	18	("20010028713" "20020071573" "200 20094100" "5146539" "5568559" "570 1344" "6011853" "6859420").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:08
S3	2	"20040138882"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:21
S4	2	"4628529".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:21
S5	1	"4628529".pn. and wind	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:21
S6	84	("4628529").URPN.	USPAT	OR	ON	2007/02/22 14:21
S7	4	("4628529").URPN. and (wind near noise)	USPAT	OR	ON	2007/02/22 14:22

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S8	16	(US-20040138882-\$ or US-20020094100-\$ or US-20020071573-\$ or US-20010028713-\$).did. or (US-6859420-\$ or US-6163608-\$ or US-5701344-\$ or US-5568559-\$ or US-5146539-\$ or US-6319193-\$ or US-6011853-\$ or US-4628529-\$ or US-6122384-\$ or US-5825898-\$ or US-5544250-\$ or US-4811404-\$).did.	US-PGPUB; USPAT	OR	ON	2007/02/22 14:23
S9	3	S8 and ((remove or reduce or suppress) with wind with noise)	US-PGPUB; USPAT	OR	ON	2007/02/22 14:28
S10	1	"6122384".pn.	US-PGPUB; USPAT	OR	ON	2007/02/22 14:32
S11	2	"1450353"	US-PGPUB; USPAT	OR	ON	2007/02/22 14:33
S12	2	"5544250".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:40
S13	2	"7012507".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 14:40
S14	29	("20020158753" "4646210" "4733336" "4807096" "4930742" "4973844" "4993674" "5566224" "5576687" "5584052" "5615857" "5669698" "5708410" "5940503" "5950139" "6056410" "6087953" "6089721" "6124886" "6172613" "6243003" "6245262" "6278377" "6291905" "6305807" "6420975" "6433676" "6466136" "D391214"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/22 14:40
S15	2	"20040167777"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 06:12

EAST Search History

S16	1	"20040167777" and ((model with line) and (SNR near domain) and (signal with offset) and (attribute with average))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 06:45
S17	10	(audio and noise).ti,ab. and ((wind with noise) and (spectral near subtraction))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 06:48
S18	116	("4737976").URPN.	USPAT	OR	ON	2007/03/05 06:49
S19	3	("4737976").URPN. and (wind near noise) and (FFT or spectral)	USPAT	OR	ON	2007/03/05 06:52
S20	2	("4737976").URPN. and (wind near noise) and ((FFT or spectral or spectrum) same (model or subtract\$3))	USPAT	OR	ON	2007/03/05 06:53
S21	28	("5544250").URPN.	USPAT	OR	ON	2007/03/05 06:54
S22	114	("5544250").URPN. (wind same noise) and ((spectral or spectrum of fft) with (subtract\$3 or model))	USPAT	OR	ON	2007/03/05 06:55
S23	32	("5544250").URPN. (wind same noise) same ((spectral or spectrum of fft) with (subtract\$3 or model))	USPAT	OR	ON	2007/03/05 06:56
S24	0	("5544250").URPN. and (wind same noise) same ((spectral or spectrum of fft) with (subtract\$3 or model))	USPAT	OR	ON	2007/03/05 06:56
S25	4	(wind same noise) same ((spectral or spectrum of fft) with (subtract\$3 or model))	USPAT	OR	ON	2007/03/05 06:56
S26	11	("6415253").URPN.	USPAT	OR	ON	2007/03/05 06:58
S27	1	("6415253").URPN. and wind	USPAT	OR	ON	2007/03/05 06:58
S28	15	("5133013" "5550924" "5579431" "5610991" "5659622" "5706395" "5781883" "5819217" "5864806" "5878389" "5937375" "5943429" "5963899" "5991718" "6122610").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 07:00
S29	1	("5133013" "5550924" "5579431" "5610991" "5659622" "5706395" "5781883" "5819217" "5864806" "5878389" "5937375" "5943429" "5963899" "5991718" "6122610").PN. and wind	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 07:00

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S30	25	("5133013").URPN.	USPAT	OR	ON	2007/03/05 07:11
S31	3	("5133013").URPN. and (wind and (audio or speech))	USPAT	OR	ON	2007/03/05 07:23
S32	155	(((low adj frequenc\$3) or (low-frequency)) with range with (reduce or attenuat\$3) and (audio or speech) and (noise or wind)	USPAT	OR	ON	2007/03/05 07:24
S33	60	(((low adj frequenc\$3) or (low-frequency)) with range with (reduce or attenuat\$3 or subtract\$3) and (audio or speech) and (noise or wind) and ((spectr\$3 or FFT) and (model or subtract\$3))	USPAT	OR	ON	2007/03/05 07:25
S34	0	(((low adj frequenc\$3) or (low-frequency)) with range with (reduce or attenuat\$3 or subtract\$3) and (audio or speech) and (noise and wind) and ((spectr\$3 or FFT) and (model or subtract\$3))	USPAT	OR	ON	2007/03/05 07:26
S35	60	(((low adj frequenc\$3) or (low-frequency)) with range with (reduce or attenuat\$3 or subtract\$3) and (audio or speech) and (noise or wind) and ((spectr\$3 or FFT) and (model or subtract\$3))	USPAT	OR	ON	2007/03/05 07:27
S36	2	(((low adj frequenc\$3) or (low-frequency)) with range with (reduce or attenuat\$3 or subtract\$3) with (increase)) and (audio or speech) and (noise or wind) and ((spectr\$3 or FFT) and (model or subtract\$3))	USPAT	OR	ON	2007/03/05 07:28
S37	2	(((low adj frequenc\$3) or (low-frequency)) with (increase) same range same (reduce or attenuat\$3 or subtract\$3)) and ((audio or speech) and (noise or wind)),ti,ab. and ((spectr\$3 or FFT) and (model or subtract\$3))	USPAT	OR	ON	2007/03/05 07:30
S38	6	(((low adj frequenc\$3) or (low-frequency)) with (increase) same (reduce or attenuat\$3 or subtract\$3)) and ((audio or speech) and (noise or wind)),ti,ab. and ((spectr\$3 or FFT) and (model or subtract\$3))	USPAT	OR	ON	2007/03/05 07:35
S39	0	(noise) and (audio or speech) and (mulitple or microhones) same (time-lag or (time adj lag))	USPAT	OR	ON	2007/03/05 07:36
S40	17	(noise) and (audio or speech) and (mulitple or microphones) same (time-lag or (time adj lag))	USPAT	OR	ON	2007/03/05 07:36

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S41	5	(noise same (rejection or suppression or compensation)) and (audio or speech) and (multiple or microphones) same (time-lag or (time adj lag))	USPAT	OR	ON	2007/03/05 07:39
S42	119	(channel same noise same select\$3 same (least or lowest or lower)) and (audio or speech).ti,ab.	USPAT	OR	ON	2007/03/05 07:41
S43	18	(channel with noise with select\$3 with (least or lowest or lower)) and (audio or speech).ti,ab.	USPAT	OR	ON	2007/03/05 07:45
S44	35	((channel or microphones or source\$3) with (noise) with (select\$3 or use) with (least or lowest or lower or clearest or cleanest)) and (audio or speech).ti,ab.	USPAT	OR	ON	2007/03/05 07:47
S45	13	((channel or microphones or source\$3) with (noise) with (select\$3 or use) with (least or lowest or lower or clearest or cleanest)) and ((audio or speech) and noise).ti,ab.	USPAT	OR	ON	2007/03/05 07:50
S46	2	(noise near detector with microphone) and ((array or multiple or two) near microphone) and ((speech or audio) and noise)	USPAT	OR	ON	2007/03/05 07:54
S47	45	(noise near detect\$3 with microphone) and ((array or multiple or two) near microphone) and ((speech or audio) and noise)	USPAT	OR	ON	2007/03/05 07:57
S48	1	((noise adj detect\$3) with ("with" or attach\$2 or connect\$2) with microphone) and ((array or multiple or two) near microphone) and ((speech or audio) and noise)	USPAT	OR	ON	2007/03/05 08:29
S49	18	((noise adj detect\$3) with ("with" or attach\$2 or connect\$2) with microphone) and ((speech or audio) and noise)	USPAT	OR	ON	2007/03/05 08:28
S50	0	"20030040908"	USPAT	OR	ON	2007/03/05 08:25
S51	2	"20030040908"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 08:26
S52	24	((noise adj detect\$3) with ("with" or attach\$2 or connect\$2) with microphone) and ((speech or audio) and noise)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/05 08:28

EAST Search History

S53	1	((noise adj detect\$3) with ("with" or attach\$2 or connect\$2) with microphone) and ((array or multiple or two) near microphone) and ((speech or audio) and noise)	US-PGPUB; EPO; JPO; IBM_TDB	OR	ON	2007/03/05 08:45
S54	2	"4625206".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 08:46
S55	10	("4625206").URPN.	USPAT	OR	ON	2007/03/05 10:24
S56	5	("6122610" "6175602" "6507623" "6523003" "6606593").PN.	USPAT	OR	ON	2007/03/05 10:59
S57	1	"5886303".pn.	USPAT	OR	ON	2007/03/05 10:59
S58	36	(US-20020094100-\$ or US-20020071573-\$ or US-20040138882-\$ or US-20010028713-\$ or US-20040167777-\$ or US-20030040908-\$).did. or (US-6859420-\$ or US-5825898-\$ or US-5701344-\$ or US-5568559-\$ or US-6122384-\$ or US-6011853-\$ or US-4628529-\$ or US-5544250-\$ or US-6163608-\$ or US-5950139-\$ or US-5146539-\$ or US-4811404-\$ or US-6319193-\$ or US-6882734-\$ or US-6415253-\$ or US-7117145-\$ or US-5878389-\$ or US-6122610-\$ or US-5943429-\$ or US-5133013-\$ or US-5285502-\$ or US-6757394-\$ or US-6618485-\$ or US-6243322-\$ or US-5488665-\$ or US-5715310-\$).did. or (US-4625206-\$ or US-6175602-\$ or US-6507623-\$).did. or (US-20030040908-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 13:28
S59	5	S58 and (stationary and (nonstationary or non-stationary))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 13:35
S60	5	S58 and (stationary and (nonstationary or non-stationary)) and (speech or voiced or harmonic)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 13:37
S61	5	S58 and (stationary and (nonstationary or non-stationary)) and (speech or voiced or harmonic or vowel)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 13:38
S62	5	S58 and (stationary and (nonstationary or non-stationary)) and (speech or voiced or harmonic or vowel or voice or VAD)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:03

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S63	5	S58 and (stationary and (nonstationary or non-stationary)) and (speech or voiced or harmonic or vowel or voice or VAD) and (transient or steady-state or constant)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:04
S64	5	S58 and (stationary and (nonstationary or non-stationary)) and (speech or voiced or harmonic or vowel or voice or VAD) and (transient or steady-state or constant)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:05
S65	5	S58 and (stationary and (nonstationary or non-stationary)) and (transient or steady-state or constant)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:19
S66	1	"2004016777" and (correlat\$3 same (model or line or regression or input))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:27
S67	2	S58 and (wind with (gust or buffet or nonstationary or non-stationary))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:28
S68	1	S58 and ((detect\$3 or determin\$4) same (wind with (gust or buffet or nonstationary or non-stationary)))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:29
S69	10	((audio or speech) with noise).ti,ab, bsum. and ((detect\$3 or determin\$4) same (wind with (gust or buffet or nonstationary or non-stationary))).	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:31
S70	10	((audio or speech) with noise).ti,ab, bsum. and ((detect\$3 or determin\$4) same (wind with (gust or buffet or nonstationary or non-stationary))) and (wind)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 14:31
S71	1	"20030040908" and (estimate or average or stationary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 06:32
S72	1	"20030040908" and (estimate or average or stationary) and (VAD or voice on non-noise or audio or nonnoise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 06:36

EAST Search History

S73	1	"20030040908" and (estimate or averag\$2 or stationary) and (VAD or voice on non-noise or audio or nonnoise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 06:38
S74	2	"20030040908" and ((remov\$3 or suppress\$3) same noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 06:39
S75	41	(US-20040167777-\$ or US-20030147538-\$ or US-20030040908-\$ or US-20040138882-\$ or US-20010028713-\$ or US-20020071573-\$ or US-20020094100-\$ or US-20040052384-\$ or US-20040165736-\$ or US-20030151454-\$).did. or (US-7117145-\$ or US-7171008-\$ or US-6882734-\$ or US-5878389-\$ or US-5544250-\$ or US-6122610-\$ or US-6122384-\$ or US-5943429-\$ or US-6415253-\$ or US-5133013-\$ or US-5285502-\$ or US-6757394-\$ or US-6618485-\$ or US-6243322-\$ or US-5488665-\$ or US-4628529-\$ or US-5568559-\$ or US-5715310-\$ or US-4625206-\$ or US-6507623-\$ or US-6175602-\$ or US-6319193-\$ or US-6163608-\$ or US-5950139-\$ or US-5825898-\$ or US-5701344-\$).did. or (US-6859420-\$ or US-6011853-\$ or US-5146539-\$ or US-4811404-\$).did. or (US-20030040908-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 09:39
S76	1	S75 and "1/f"	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 09:40
S77	1	S75 and "1/f" and (spectrum or frequency or spectral or transform)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 10:51
S78	35	S75 and((speech or voice or VAD) with (correction or noise))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 10:53
S79	8	S75 and((speech or voice or VAD) same (limit or prevent or disable) with(correction or noise))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 12:37

EAST Search History

S80	4	S75 and (beamforming or lag) and (micorphones or (array near microphone))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 12:38
S81	0	S75 and (beamforming and lag) and (micorphones or (array near microphone))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 12:39
S82	4	S75 and (beamforming or lag) and (micorphones or (array near microphone))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/06 12:39